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Sheet 1

US- 5,940,738

/Brandon Renner/

U. S. PATENT DOCUMENTS Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear Document Number Publication Dat MM-DD-YYYY Applicant of Cited Document Number-Kind Code^{2 (Fineren)} US- 10/578,739 03-01-2007 Tieman /B.R./ US- 11/536,894 09-06-2007 Tian 2 05-23-2002 Malkemes et al. US- 2002/0061024 A1 US- 2002/0075875 A1 06-20-2002 Dravida et al. 06-27-2002 Spinar et al. US- 2002/0080816 A1 5 us 2002/0147833 A1 10-10-2002 01-09-2003 Sala et al. 7 US-2003/0007508 A1 US-2003/0143946 A1 07-31-2003 Grzeczkowski US- 2004/0218609 A1 11-04-2004 Poster et al. 9 US- 2007/0047586 A1 Tieman 10 03-01-2007 US- 5,012,469 04-30-1991 Sardana 11 US- 5,278,833 Crister et al. 12 01-11-1994 02-14-1995 Campbell et al. US- 5,390,181 13 US- 5,572,517 11-05-1996 14 US- 5,590,131 12-31-1996 Kabatepe 15 US- 5.729,825 03-17-1998 16 US- 5,867,485 Chambers et al. 02-02-1999 17 US- 5.936,949 Pasternak et al. 08-10-1999 18

		FORE	GN PATENT DOCU	MENTS	Pages, Columns, Linea,	_
Examiner Initiats*	Cita No.	Foreign Patent Document	Publication Date	Name of Patantee or Applicant of Cited Document	Where Relevant Passages Or Relevant Floures Appear	١.
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PTO/SB/08A (10-07) Approved for use through 10/31/2007, OMB-0651-0031
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STATEMENT BY APPLICANT (Use as many sheets as necessary) Sheet 2

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/Brandon Renner/

	Application Humber	10/3/0,/39	_
	Filing Date	05-10-2006	
	First Named Inventor	Tieman	
	Art Unit .	2405 2461	
	Examiner Name		Renner
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U. S. PATENT DOCUMENTS Pages, Columns, Lines, Who Cito Document Number Relevant Passages or Relevant Figures Appear Applicant of Cited Document Number-Kind Code² (Finance ^{US-} 5,963,557 10-05-1999 Eng BR 20 US 5,966,163 10-12-1999 Lin et al. 21 Dorenboach et al. US-6,023,230 02-08-2000 US-6,034,967 03-07-2000 Citta et al. 03-14-2000 US-6,038,213 Albrow et al 24 03-21-2000 Bigham et al. US- 6,041,056 12-12-2000 Hendricks et al. US- 6.160.989 26 Handricks of al US- 6.201.536 03-13-2001 27 Campbell et al. 28 US- 6,278,713 B1 08-21-2001 U\$- 6,292,493 09-18-2001 Çampbell et al. 29 US- 6,370,153 04-09-2002 Eng 30 US- 6,408,009 06-18-2002 Campbell et al. 31 Anderson et al. ^{US-} 6,667,967 12-23-2003 32 US- 6.801.537 10-05-2004 33 US- 6,931,003 Anderson 34 09-27-2001 US- 6,999,477 02-14-2006 Oz et al. US- 7,027,461 Bontempl 04-11-2006 36 US- 7,075,919 07-11-2006 Wendt US- 7.099,340 07-18-2002 Liva

Examiner Initials	Citie No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Rolevant Passages Or Relevant Figures Appear	١.
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	В	CA 2265965	10-22-1990	Eng		1
-	9	CA 2560677	10-20-2000	Tiernametal.		Ļ
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Examiner Initials*	Cite No.'	Document Number Number-Kind Code ² of Amenical	MM-DD-YYYY	Applicant of Cited Document	Refevent Passages or Rolevant Figures Appear
/B.R.	39	US- 7,139,247	06-20-2002	Desal et al.	
/B.H.	40	US- 7,145,888	10-23-2003	Dale	
	_		05-18-2006	Beyer	
	41	US-7,184,413			-
علد	42	^{US-} 6,028,867	02-22-2000	Rawson et al.	
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-	13	EP 05730882-7	01-03-2007	Deman et al.		Ļ
	14	EP 0985275	03-15-2000	Eng	·	Ļ
***************************************	13	EP 1738432A1	81-00-£007	Tromas et al.		L
	18	EF 1736342A4	09-10-2008	Tiemaretai.		Ļ
	17	JF 2007/531416 T2	11-01-2007	Tiomen stal		L
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-		WO 99/31871 A	06-24-1000	Atwater et al.		E
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STATEMENT BY APPLICANT	Art Unit	2405- 2461	
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-	23	EP 1040045	10-04-2000	Amater et al.		L
10000000	28	AU 1621399 A	00-20-1999	Gelman et til.		ſ
***************************************	27	EP 1049980 A1	11-08-2000	Gehnar et al.		L
***************************************	28	TW 409316 B	09-11-2000	Galmaretal:		1
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/B.R./	1	DAIL, JAMES E ET AL.: "Adaptive Digital Access Protocol: A MAC Protocol for Multiservice Broadband Access Networks" Communications Magazine, IEEE,	
		IEEE Service Center, Piscataway, US, vol. 34, issue 3, March 1996, pages 104-112, ISSN: 0163-6804	
/B.R./	2	Nortel: Solutions: Long Term Evolution: Solution Literature: White Papers, Long-Term Evolution (LTE): The vision beyond 3G [online]. (July 28, 2008) [retrieved 01-12-2010].	
		Retrieved from the Internet: <url: http://www.nortel.com/solutions/wireless/collateral/nn114882.pdf>.</url: 	
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